CIVIL TECH LABS

Accredited by NABL as per ISO / IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

15th May 2015

Dear Sir,

Sub: Improvements to drains and RCC roads near Kanakanagara in ward no 04.
Testing of cubes – Reg.

As requested the 07th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

AEE

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Improvements to drains and RCC roads near Kanakanagara in ward no 04
Name of Agency	M/s. Technical Manager (West)
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age of test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	08/05/2015	15/05/2015	7	8.16	332	**14.76**	**14.87**
2					8.17	334	**14.84**	
3					8.18	338	**15.02**	

Notes:
1. The results relate only to the items tested.
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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AEE

Lab Incharge
Civil Tech Labs

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T-2654

To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

17th April 2015

Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the materials the samples supplied by you, for the work of **'Improvements to drains and RCC roads near Kanakanagara in ward no 04'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AEE

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BDMP
Name of Work	Improvements to drains and RCC roads near Kuvempunagar in ward no 04
Name of the Agency	M/s Technical Manager (Worl
Date of Testing	17/04/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	51	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	488	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, HRMP
Name of Work	Improvements to drains and RCC roads near Kanakanagara in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	17/04/2015
Specific Gravity	**2.58**

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.3**	90-100	90-100	90-100	95-100	
	2.36	**86.4**	60-95	75-100	85-100	95-100	
	1.18	**76.6**	30-70	55-90	75-100	90-100	
	0.6	**46.2**	15-34	35-59	60-79	80-100	
	0.3	**25.1**	5-20	8-30	12-40	15-50	
	0.15	**7.8**	0-10	0-10	0-10	0-15	

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

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T-2654

To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

04th May 2015

Dear Sir,

Sub: Testing of Reinforcement Steel Bars.

As requested, the required tests were carried out for the Reinforcement Steel Bars samples supplied by you, for the work of '**Improvements to drains and RCC roads near Kanakanagara in ward no 04'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AEE

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 8 mm

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Improvements to drains and RCC roads near Kanakanagara in ward no 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	04/05/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.396	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.7	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	418	415	Satisfactory
6	U T S (N/Sq.mm)	522	485	Satisfactory

Note:
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4. The results are based on the test conducted on samples supplied by the client.

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 10mm

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Improvements to drains and RCC roads near Kanakanagara in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	04/05/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.619	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	419	415	Satisfactory
6	U T S (N/Sq.mm)	524	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 12 mm

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Improvements to drains and RCC roads near Kanakanagara in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	04/05/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	421	415	Satisfactory
6	U T S (N/Sq.mm)	526	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
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AEE